A_ENG_110944

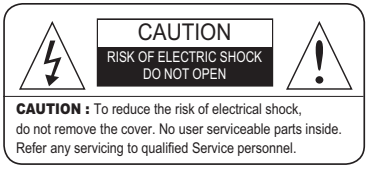
User's Manual

Digital Satellite Receiver

Please read the entire manual thoroughly and retain it for future reference.

General Safety

Warning


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION : To reduce the risk of electrical shock,
do not remove the cover. No user serviceable parts inside.
Refer any servicing to qualified Service personnel.

- Always follow these instructions to avoid the risk of injury to yourself or damage to your equipment.
- Unplug the receiver from the AC power outlet before cleaning.
- Use only a damp cloth for cleaning the exterior of the receiver.
- Do not use accessories or attachments not recommended by the receiver manufacturer as they may cause problems to the equipment and will void the warranty.
- Do not place the receiver on an unstable cart, stand, tripod, bracket, or table.
- The receiver may fall, causing serious personal injury and damage to the receiver.
- Do not block or cover the slot opening in the receiver.
- These are provided for ventilation and protection from overheating.
- Never place the receiver near or over a radiator or any heat source.
- Do not place the receiver in an enclosure such as a cabinet without proper ventilation.
- Do not stack the receiver on top of or below other electronic devices.
- The apparatus shall not be exposed to dripping or splashing and with no object filled with liquids, such as vases, shall be placed on the apparatus.
- Operate the receiver using only the type of power source indicated on the marking label.
- Unplug the receiver power cord by gripping the power plug, not the cord.
- Route power supply cord so that are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to the cords that plugs in the convenience receptacles, and the point where they exit from the unit.
- Use an outlet that contains surge suppression or ground fault protection.
- For added protection during a lightning storm, or when the receiver is left unattached and unused for long periods of time, unplug it from the wall outlet and disconnect the lines between the receiver and the antenna. This will provide some protection against electrical damage caused by lightning or power line surges.
- The mains plug is used as the disconnect device. The disconnect device shall remain readily operable.

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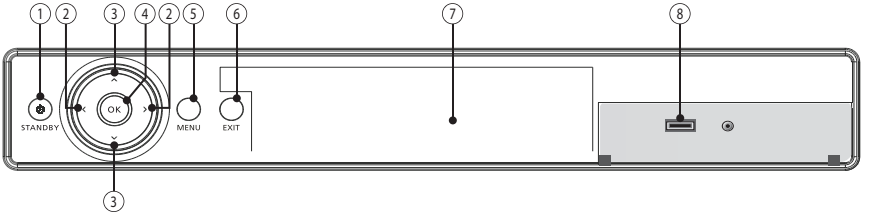
Servicing

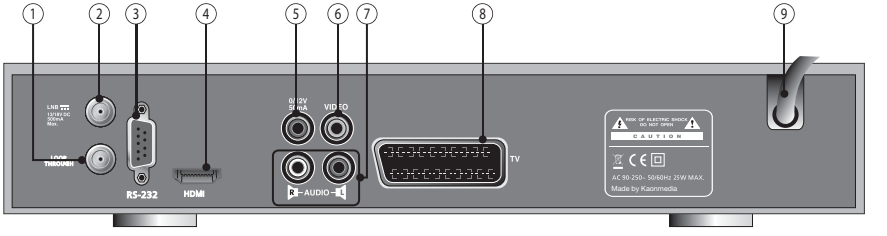
- Do not attempt to service the receiver yourself, as opening or removing covers may expose you to dangerous voltage, and will void warranty.
  Refer all servicing to authorized service personnel.

Front Panel



1. **STANDBY**
   Switches the receiver to Standby Mode or Operation Mode
2. **VOL ◄/►**
   Press to adjust the volume or select a menu item.
3. **CH ▲/▼(Program ▲/▼)**
   Channel Up/Down or select item of sub-menu.
4. **OK**
   To select a program, a highlighted line or parameter value.
5. **MENU** To see main menu.
6. **EXIT** Exit from parameter and cancel selected function.
7. **SEG. DISP.**
   4-digit 7-segment display channel information.
8. **USB Port**
   Connect the USB memory with USB cable.

Rear Panel



1. **LOOP THROUGH**
   Loop through Signal O/P to connect to other STB using co-axial cable.
2. **LNB**
   To connect to a satellite antenna and cable jacks.
3. **RS-232**
   To connect to a personal computer for software upgrade.
4. **HDMI**
   Use the HDMI cable to connect this jack to the HDMI jack on your television for the best quality picture.
5. **0/12V**
   Depending on the user's antenna switch box, you can choose either 0V/12V.
6. **VIDEO**
   Video connection port to the TV or other equipment.
7. **AUDIO**
   Audio connection port to the TV or other equipment.
8. **TV**
   TV OUT To connect a TV via a coaxial cable.
9. **POWER Supply**
   90 ~ 250V AC, 50/60Hz.

Note

The design of the Front/Rear Panel may be changed without any notice in advance.

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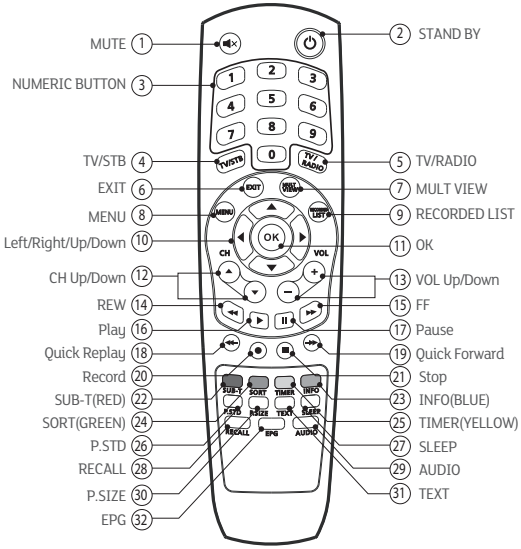
Remote Control



1	**MUTE**	To enable or disable audio.
2	**STAND BY**	To switch between operation and stand by mode.
3	**NUMERIC BUTTONS**	To select the channel by entering channel number OR for entering PIN code.
4	**TV/STB**	To switch between TV and STB mode.
5	**TV/RADIO**	To switch between TV and Radio.
6	**EXIT**	To return the normal viewing mode from a menu.
7	**MULT VIEW**	Multi video pop-up window will appear.
8	**MENU**	To display the Main Menu on the screen or return to the previous menu.
9	**RECORDED LIST**	To open the recorded list screen.
10	**Left/Right**	To move left or right on the menu. To increase or decrease the volume.
	Up/Down	To move up or down on the menu.
11	**OK**	To confirm your choice.
12	**CHANNEL Up/Down**	To change channel up and down.
13	**VOLUME Up/Down**	To increase or decrease the volume.
14	**REW**	Used for rewinding.
15	**FF**	Used for fast-forwarding.
16	**Play**	Used for playing files.
17	**Pause**	Used for pausing files.
18	**Quick Replay**	To go to the previous screen.
19	**Quick Forward**	To go to the next screen.
20	**Record**	Saves the current channel to the external HDD.
21	**Stop**	Used for stopping record or play.
22	**SUB-T(RED)**	To enable or disable subtitle or change the channel list mode.
23	**INFO(BLUE)**	To display the information box on the screen.
24	**SORT(GREEN)**	To sort channel list.
25	**TIMER(YELLOW)**	To set Timer function.
26	**P.STD**	To change picture standard. (Option)
27	**SLEEP**	To select a present time interval for automatic shut off.
28	**RECALL**	To return to the previous channel.
29	**AUDIO**	To select the sound mode.(Mono, Left, Right, Stereo)
30	**P.SIZE**	To change screen size.
31	**TEXT**	To see the teletext by OSD. (Option)
32	**EPG**	To display the TV/RADIO program guide.

Note

1. When inserting batteries, make sure that the polarity (+/-) is correct.
2. The design of the Remote Control Unit may be changed without any notice in advance.

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Connection

1. To Connect Satellite Antenna LNB cable (Diseqc 1.0 /Diseqc 1.2)
Connect the Satellite antenna cable to LNB IN.

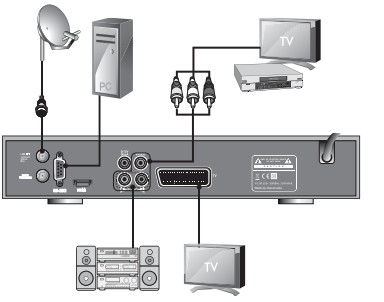
2. Loop Through
Connect co-axial cable to the Loop Through on the STB to give signal to other STB.

3. RS-232
To Connect to PC for software upgrades.

4. 0V/12V
To connect to 0/12V switch.

5. To Connect TV/VCR
Connect RCA cable to the receiver.

6. To connect a external hard disk drive (HDD) for PVR
Connect a external USB hard disk drive (HDD) to USB.



Note
The design of the Rear Panel may be changed without any notice in advance.

Menu Application

Press the ***MENU*** button on the remote control unit. You will see the ***Main Menu*** on the screen.

1. Press the ▲/▼/◄/► buttons to move to sub menu.
2. Press the ***OK*** button to select or confirm menu.
3. Press the ***MENU*** button to return to previous menu.
4. Press the ***EXIT*** button to quit the menu.

Easy Installation

You will see only Easy Installation menu at first when you plug in your system.
The Easy Installation gives you the convenience of selecting the language (Menu, Subtitle & Audio), setting the local time & channel search.

1. Language – Menu, Subtitle & Audio
This option allows you to set the desired language for Menu, Subtitle & Audio.

2. Local Time Setting
You can set your local time according to your location.
Choose either GMT or your local area time to your preference.

♦ **To set the GMT**

❶ Select the GMT Usage "***On***."
❷ At the GMT Offset, press ◄/► buttons to change the time by 30-minute interval.

Note
To set the Summer Time, select "**On**".

♦ **To set the Local Time**

❶ Select the GMT Usage "***Off***"
❷ To set the Date and Time, press ***NUMERIC*** button to select year, month, day and time.

3. Auto Scan
Select the satellite you want using the ▲/▼ buttons on the satellite list. Pressing ***RED*** button, you can see channel search window.

Note
If auto DiSEq is offered, it will be automatically adjusted.

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Easy Installation

Press the ***MENU*** button.
Press the ▲/▼ buttons to select the desired item on the basic setting screen.

1. Satellite List

❶ **Edit** : Press the ***RED*** button, you can edit satellite name and satellite longitude.
❷ **Add** : Press the ***GREEN*** button, you can enter add satellite menu.
❸ **Delete** : Press the ***YELLOW*** button, you can delete satellite.

❹ **Antenna Setup** : Press the ***BLUE*** button to select Antenna Set up.
❺ **Satellite Search** : Press ***TEXT*** button to select Satellite Search.

2. Antenna Setup

You can select ***Fixed Antenna*** or ***Motor Antenna*** in connection type.

❶ **Fixed Antenna** : You can set the ***LNB Freq.***, ***DiSEqC1.0***, ***22K***, ***0/12V***, ***Toneburst***, ***LNB Power***.
- LNB Freq. : Select the proper LNB frequency referring to your LNB.
- DiSEqC : You can select and use appropriate port for your DiSEqC switch box.
- 22KHz : Depending on the user's antenna switch box or LNB.
  You can supply either 22KHz by setting ***ON*** or ***OFF***.
  When selecting the U-LNB 1 and U-LNB 2, the 22KHz will be dimmed.
  (MOTOR DiSEqC 1,2).
- 0V/12V : Depending on the user's antenna switch box. You can choose either 0V/12V.
- Tone Burst : Depending on the user's antenna switch box.
- LNB Power : Select the LNB Power ***On*** or ***OFF***.

❷ **Motor Antenna** : You can set the ***LNB Type***, ***Motor Type***, ***Local Longitude***, ***Local Latitude***, ***Delete All***, ***Motor Setting***, ***Limit Setup***.
- LNB Type : You can set the ***LNB Type***.
- Motor Type : Select the DiSEqC1.2 or USALS.
- Local Longitude (USALS) : Press the ***NUMERIC*** buttons and enter the Longitude.
  When the ***OK*** button is pressed. It can be toggled East/West.
- Latitude (USALS) : Press the ***NUMERIC*** button and enter the Latitude.
  When the ***OK*** is pressed, it can be toggled North/South.
- Delete All : The reset option is available at the Motor Antenna menu.
- Motor Setting/Limit Setup : You can set the east/west limit by current position.
  After the Degree, Longitude and Latitude is entered accurately, the DiSEqC Motor will automatically move to the satellite's position.

3. Satellite Search

❶ If you want to search the channel, you select ***Satellite***.
❷ You can set ***FTA Only***, ***Scan Channel***, ***Network Search***, ***Scan Mode*** items.
Moving the Search item and press **OK** button to start scanning.
- Search type : Select the ***FTA+Scrambled, FTA*** or ***Scrambled*** .
- Scan Channel : Select the ***Radio, TV + Radio,*** or ***TV Channel***.
- Network Search : You can select ***Yes*** or ***No***. When you select ***Yes***, you can find more transponders using the home network.
- Scan Mode : Select the ***Auto Scan*** or ***Preset Scan***.

4. TP Search

Pressing ◄ or ► buttons, you can switch satellite.
❶ **Edit** : Press the ***RED*** button. Set frequency, Symbol rate and Polarity at the ***Edit TP***.
❷ **Add** : Press the ***GREEN*** button. Set frequency, Symbol rate and Polarity at the ***Add TP.***
❸ **Delete** : Press the ***YELLOW*** button, you can delete TP.
❹ **Search** : Press ***BLUE*** button to select ***TP Search***.

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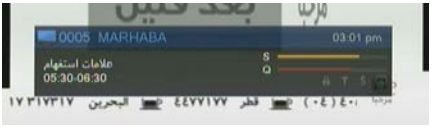
Basic Function

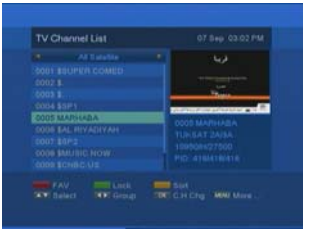
1. **Program Information Banner**
   After the television channels have been programmed, you will see the information box each time you change the channels.



Note
In full screen, press ***BLUE*** button can open infomation banner and infomation box, in the windows shows the parameter of current channel.

2. **Subtitle**
   When you press the ***RED*** button, you can see the subtitle window.
3. **Teletext**
   When you press the ***TEXT*** button, you can see the telelext window.
4. **Simple Channel List**
   When you press ***OK*** button during receiving service stream, you can get ***Simple Channel List*** view. Using ▲/▼ buttons in ***Channel List*** view, you can choose another channel.
   - ❶ **Find** : Press the ***RED*** button. Press ▲/▼/◄/► and colored buttons to select the desired alphabet. Press ***YELLOW*** button and it will show you the channel list according to each alphabet. This function is to search the available channel in an easier and faster way.
   - ❷ **Sort** : Press the ***BLUE*** button. Press ▲/▼/◄/► button to select the desired channel. This function is to more easily find or select the channel.
5. **Timer**
   When you press the ***Yellow*** button, you can see the Timer window for STB.
6. **Multi View**
   When you press the ***MULTI VIEW*** button, multi video pop-up window appears.
7. **Recorded List**
   When you press the ***RECORDED LIST*** button, you can see the recorded list screen.

Edit Channel



From these menus, Press the Color buttons to you can edit FAV(favorite) lists, lock, sort, skip, Rename, Move, or Delete channel.

1. **TV/Radio Channel List**
   You can edit favorite TV and Radio list.
   - ❶ **Favorite Channel**
     You can edit favorite TV and Radio list.
   - ❷ **Lock Channel**
     From here you can lock channels in any of the list in order to prevent (e.g. your children from watching.)
   - ❸ **Sort Channel**
     From here you can sort channels to name order or FTA.
   - ❹ **Skip Channel**
     You can skip TV or Radio channel from the current list.
   - ❺ **Rename Channel**
     You can change the name of channel you want.
   - ❻ **Move Channel**
     You can change the position of the channel you want on the TV/Radio/All channel lists.
   - ❼ **Delete Channel**
     You can delete TV or Radio channel from the current list.
2. **Delete All**
   You can delete all channel TV and Radio list.

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System Setup

If you want to customize the system to suit you better, you can specify some settings from the submenus in the System Setting menu.

Note
At the System Menu list, press **OK** button and sub list will appear in a pop-up window.

1. **Menu Language / First Audio / Seconol Audio / Teletext Language**
   In this menu You can change default language for menus, first audio, second audio, subtitle, and teletext when changing services.

2. **TV System**
   ❶ **STB with HDMI** : You can set TVoutput, Video System(Resolution), Aspect Mode and Video output.

3. **Local Time Setting**
   You can set your local time according to your location.
   Choose either GMT or your local area time to your preference.

   ♦ **To set the GMT**
   ❶ Select the GMT Usage "***On***."
   ❷ At the GMT Offset, press ◄/► buttons to change the time by 30-minute interval.

   Note: To set the Summer Time, select "**On**".

   ♦ **To set the Local Time**
   ❶ Select the GMT Usage "***Off***"
   ❷ To set the Date and Time, press ***NUMERIC*** button to select year, month, day and time.

4. **Timer Setting**
   ❶ You can setting between 8 timer item by pressing ▲ or ▼ buttons and press ***OK*** button.
   ❷ You can select ***Timer Mode***(Off / Once/ Daily), ***Wakeup Channel***, ***Wakeup Date***, ***On Tim***e, and ***Duration*** item.

   Note: This is not for PVR.

5. **Parantal Lock**
   Enter ***Parental Lock*** item, there will pop an dialogue for you to input the password.
   Default password is "0000". This menu have below function.

   ❶ **Menu Lock** : You will have to enter the PIN code every time when you enter the Menu.
   ❷ **Channel Lock** : You may need PIN code every time you select the lock channel program as you set in the channel control.
   ❸ **New Password** : Input the current PIN code using ***NUMERIC*** buttons on the remote control.
   ❹ **Confirm Password** : To verify the new PIN code, re-enter a new PIN code in the highlighted confirm PIN code.

6. **OSD Setting**
   ❶ **OSD Timeout** : You can select for how long the OSD will be shown. (1~15seconds)
   ❷ **OSD Transparency** : Give the variable transparency on Video and OSD screen. (50%~100%)

7. **Rename Favorite**
   In This menu, you can rename the favorite group's name.

8. **Other**
   ❶ **Multiview** : Multi Video allows you to watch several channels in one screen simultaneously. It can be used to watch one channel from among several channels.
   ❷ **Channel Chang** : Select the Freeze or Black screen.

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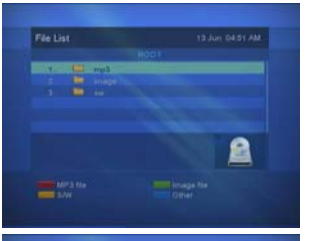
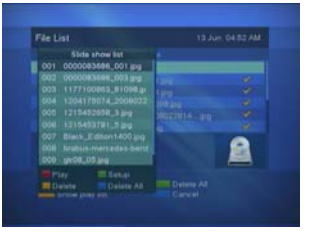
Tools

1. **Information**
   Displays the system information: MODEL name, S/W, H/W, Loader version.
2. **Factory Reset**
   Use this option only if you have to start the complete installation procedure from scratch.
   If you continue from here, all your previous settings and all channels will be cleared!
   The default data will be loaded.
3. **USB Connection**
   1. Disconnect the power plug.
   2. You can upgrade the product software or record by connecting External USB storage devices.
   3. Connect the power plug of the receiver to an outlet.
   4. Turn on the STB.

Playing back Files (MP3/Image)

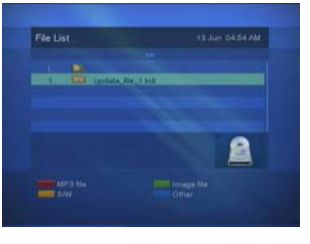
You can listen to MP3 music or see the image files by sliding type through USB connection.
Save MP3 and image files into USB from your PC.

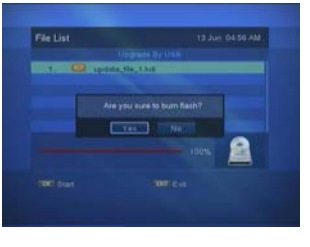




1. Press the ***MENU*** button.
2. Go to ***Tools*** in Menu.
3. Select ***USB.***
4. Press ▲/▼ buttons to select the desired folder (MP3 or Image).
5. ***RED*** button sorts all the MP3 files.
6. ***GREEN*** button sorts all the image files.
7. ***YELLOW*** button sorts all the S/W files.
8. ***BLUE*** Button sorts all the other software upgrade option files.

Upgrade by USB





In the file list menu, press the ***YELLOW*** button to sort the S/W file.
Navigate to the desired software & pressing ***OK*** software upgrade will begin.

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PVR - Recording and Playing back

You must connect external hard disk drive (HDD) to this receiver to record or play back programme by PVR function.

- USB HDD 2.0 support
- Range of Time Shift/Recording (in external HDD)

Disk free size	Time shift size	Recording size
below 200MB	0	0
200MB~700MB	disk free size	0
700MB~10GB	500MB	remain
10GB~20GB	1GB	remain
20GB~40GB	2GB	remain
40GB~80GB	4GB	remain
More than 80GB	8GB	remain

- Recording capacity: 1.7 GB per hour

Note: It differs depending on broadcasting.

Recording

Press the ***RECORD*** button to record the current broadcast programme. When the recording starts the Record icon is displayed.

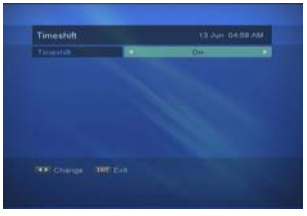
Note
To stop recording, press the **STOP** button.

Reservation Timer

You can set a programme to be recorded at a specific time. Even if the receiver is in standby mode, it will switch into operation mode and start recording at a specified time. When the recording comes to the end, the receiver will switch back into standby mode again. However, if you press any button on the remote control or on the front panel, the receiver will not switch into standby mode.

1. Press the ***OK*** button to display reservation timer screen.
2. Press the ▲/▼/◄/►/***OK*** button to record reservation.

Time Shift recording



This function is for setting the ***Time Shift***. If you set to ON, you can use the ***Time Shift*** function.

- If the Time Shift is set while watching satellite broadcasting, press the ***REW*** button once to rewind the currently playing screen and the ***PLAY/PAUSE*** button to pause.
- If you press the ***PLAY/PAUSE*** button, the screen will play back from the point where it is stopped.

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Record Manager

You can edit the recording list such as rename, lock, and delete.

- **Rename (Red button)**: To change file names. Characters such as 0~9 and A~Z can be used.
- **Delete (Blue button)**: To delete a file.
- **Lock (Green button)**: To set for entering a password when you access files. They are then displayed as “hidden files” in Microsoft Windows, after the USB cable is connected.

Playing back

Fast Forward & Rewind

During Playback of recorded files we can use the Fast Forward & Rewind function buttons in the RCU with 2X, 4X, 8X 16X & 24X speed.

Slow Forward & Rewind

During Playback of recorded files we can use the Fast Forward & Rewind function buttons in the RCU with 2X, 4X & 8X speed.

Quick Search

You can move to the desired location of a recorded file using the banner.

- During Playback press the ***BLUE*** button in RCU to get the banner.
- Press ◄/► on buttons on RCU to navigate to the desired point on the recorded file .
- Press ***OK*** on the desired point to start playing at that point.

HDD Format

1. To format the HDD, press the ▲/▼ button on the Tools menu to select ***HDD Format*** and then press the ***OK*** button.
   You can see the HDD Information (Recording free, Timeshift, Free, Used, and Total).
2. When the format confirmation pop-up window appears, press the ***OK*** button.

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Game

Game: Tetrix, Othello.

REC

1. **Record Manager**
   You can edit the recording list such as rename, lock, and delete.
2. **Reservation timer**
   You can set a programme to be recorded at a specific time.
3. **HDD Information**
   You can see external HDD information.
4. **HDD Format**
   You can format the external HDD.
5. **Timeshift**
   If you set to ON, you can use the ***Time Shift*** function.

Troubleshooting

Problem	*Solution*
No display LED on the front panel. No power supply	Power cord plug in correctly.
No Picture	Ensure that the STB is switched on. Check connection and correct. Check channel and video output and correct
Poor picture quality	Check the signal level, if this is low then try adjusting the alignment of your dish.
No Sound	Check the volume level of the TV and STB. Check the mute status of the TV and STB. Check the connection of audio cord.
Remote Control does not operate	Point remote control directly towards the receiver. Check and replace batteries. Check that nothing blocks the front panel.
Service is not running or scrambled	Check the whether the Common Interface module and smart card is correctly inserted. Check that the smart card is appropriate for the selected service.
You have forgotten your secret PIN code	Refer to Change PIN code of this owner's manual.